Speedex
Owner & Parts
Manual
Models S-17, S-19 & S-24
SPEEDEX

Operation

Instruments and Controls

1. Choke control.
   To choke engine when starting pull out knob to its full position. After engine starts regulate choke knob as needed. Once engine is warm close choke button.
2. Ignition Switch (Electric)
   Turn key all the way to the right to start engine. Combination clutch and brake pedal must be in a heeled (OFF) POSITION. Release key and it will return to run position. Turn switch to OFF position to stop engine.
3. Ignition Switch (Recoil)
   Turn switch to RUN position when manually starting engine.
4. Light Switch
   Pull switch to OUT position to turn lights on. Depress switch to turn lights off.
5. Tool rack lift lever
   Tool rack lift lever is located on left side. This lever controls the raising and lowering of implements in the front or rear of the tractor. This lever is also used as a foot rest for your left foot.
6. Combination clutch and brake foot pedal.
   This pedal is located on the right side of the unit. It has two positions. 1. Depressed it will start your unit in motion. 2. Heeled and **while the tractor is in gear** will stop your unit.
7. The S-17 and S-24 tractors have an alternate **hand** brake. This **hand brake must always be engaged** on all terrain when the operator decides a gear change is necessary. To engage hand brake the operator must lift upward and hold fast. Once tractor is placed in gear (not in the neutral gear position) the hand brake can be released.
8. Shift Stick S-17 and S-24 tractor
   To shift gears on the S-17 or S-24 tractor the **hand brake must be used.** The operator in making his choice of gear selection will stop or pass thru neutral gear position. (CAUTION: When tractor is in neutral gear position the tractor is in a free movement position). Once tractor is in gear, the hand brake can be released.
9. Shift stick S-19 Tractor
   To shift transmission on the S-19 tractor, heel tractor, which will stop tractor, then move to neutral position, then to desired gear selection.

Starting and Stopping Engine

Please take the time to thoroughly read your owners manual before you attempt to start the engine. It contains complete instructions regarding starting, servicing as well as the warranty on the engine.

1. Fill the fuel tank with a quality grade of regular gasoline.
2. Check the oil level in the engine. Add oil if required to bring to proper level. When checking oil level make certain the cap is fully seated.
3. Pull choke to its full OUT POSITION.
4. Turn ignition key to full START POSITION. On recoil models turn keys to ON POSITION. When engine starts release key and move throttle to desired engine speed.
5. To put tractor in motion, operator must move shift stick to desired gear and depress combination clutch and brake pedal in a gradual manner.

To Stop Engine

1. Declutch, combination clutch and brake pedal, with heel action. (Brake on position).
2. Keep tractor in gear.
3. Move throttle to SLOW position.
4. Turn key to left to the OFF position and remove.

Maintenance

Lubrication

Engine – Per engine manufacturer's recommendations.

Transmission Housing S-17 – S-24 tractors. Fill to oil level plug with a good grade of SAE 90 gear lube. Change every fifty hours.

With every twenty (20) hours of operation lubricate with a small amount of grease the following Zerk fittings found on the S-17-19-24 tractors.

	S-17	S-19	S-24
Front wheel-Left	1	1	1
Front wheel-Right	1	1	1
Front Spindle-Left	1	1	1
Front Spindle-Right	1	1	1
Steering gear assemble	3	3	3
Lift Handle	1	1	1
Brake pedal	1	1	1
Clutch carrier	0	2	0
Rear axle tube	1	0	1
Countershaft tube	1	0	1
Transmission 2-speed	5	0	5
Front axle pivot tube	0	0	1
End of rear axleshaft-L/side	1	0	0
"V" Hitch's – all mowers	2	2	2

Four speed rear axle transmission (-19 tractor only) – fill to oil level SAE 90 gear lube.

3-Speed transmission S-24 tractor only – SAE 90 gear lube. ½ PT.

Occassionally lubricate tie, tool rack, lift bar and drag link at pivot points.

On the S-17 & S-24 tractors lubricate motor mounts at sliding point for free movement of engine.

Maintenance Continued

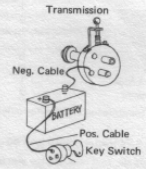
Battery

Initially install and service battery according to instruction supplied with battery.

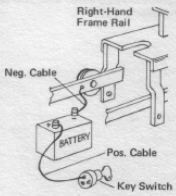
Battery Maintainance

Maintain the electrolyte level above the plates in each cell by adding distilled water as necessary. The best time to add water is just prior to operating the tractor so the water will mix with the solution. Do not overfill the battery. The electrolyte solution is corrosive and overfilling can cause it to overflow causing damage to surrounding metal parts. The battery should be maintained at 1.265 specific gravity charge. When the battery has been out of the tractor for servicing take care to connect the wires to the battery exactly as they were before removal.

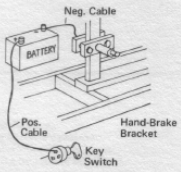
S-17 and S-24 2-Speed



S-19



S-24 3-Speed



WARNING – After initial installation and servicing of battery, DO NOT ADD ACID.

Brake

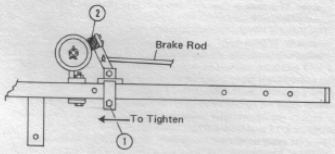
The S-17 and S-24 tractor is equipped with a foot brake and a hand brake.

To engage the foot brake heel the combination clutch and brake pedal. (brake on position). To change gears the hand brake **must be used.** To engage the hand brake the operator must pull upward and hold it fast. As long as the tractor is in gear the foot pedal brake will stop the tractor.

To adjust the foot brake on the S-17 and S-24.

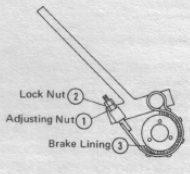
1. Loosen bolt (1) of brake base attached to tractor frame. Slide toward rear of tractor as required. Retighten bolts to secure to rail frame.
2. Brake shoe (2) should be checked and changed when it shows wear.

S-17 & S-24 Foot Brake



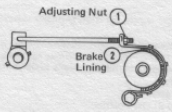
To adjust hand brake on the S-17 and S-24 tractor loosen the lock nut (2) and tighten or loosen adjusting nut (1) as required. Tighten down locking nut (2) after adjustment is made. Lining on brake band (3) should be changed periodically depending on wear.

S-17 & S-24 Hand Brake

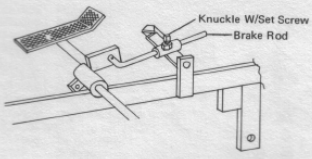


To adjust brake band on S-19 tractor loosen or tighten adjusting nut. Brake Lining (2) should be changed periodically depending on wear.

S-19 Foot Operated



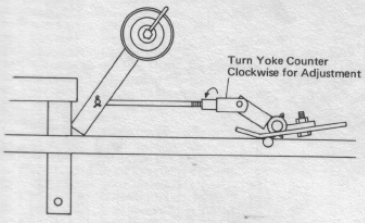
S-24 3-Speed Only



To Adjust: Slide brake rod in knuckle & tighten set screw.

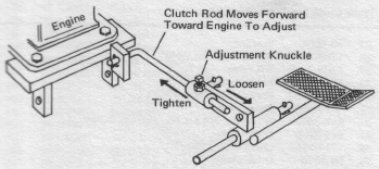
S-19 Clutch Adjustment

Turn yoke counter clockwise to tighten adjustment as required. See illustration diagram.



S-17 & S-24 Clutch Adjustment

Loosen adjustment knuckle as illustrated in drawing below. Adjust as required. Tighten adjustment knuckle.



Belt Replacement

Main Drive Belt S-17 and S-24 tractor 2-speed or 3-speed.

Block tractor wheels front and rear for safety. Combination brake and clutch pedal must be in heeled (brake on) position. Remove belt guard. Slip belt off transmission pulley. Remove belt entirely from engine pulley. Reverse procedure for installation.

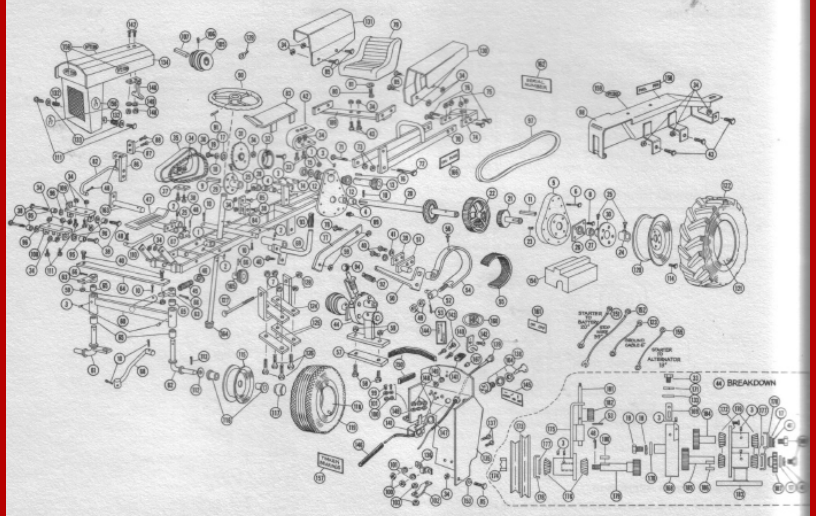
Main Drive Belt S-19 tractor.

Block tractor wheels front and rear for safety. Combination brake and clutch pedal must be in heeled (brake on) position. Remove belt guard. Loosen "V" idler and flat idler belt retainers. Loosen engine pulley set screw. Slide engine pulley out. Slip belt off transaxle pulley first. Slip belt off idler and clutching pulleys then remove belt from engine pulley. Reverse procedure for installation.

Mower belt replacement on 36" or 44" right angle drive mower.

Using snap ring pliers, expand snap rings (2) located at both ends of drive shaft sliding them toward center of drive shaft. **Do not remove.** Slide couplings (2) to center of drive shaft, this action will disengage mower drive shaft. Remove belt from around mower pulley. Loosen idler belt retainer and remove belt from engine pulley. Reverse procedure for installation.

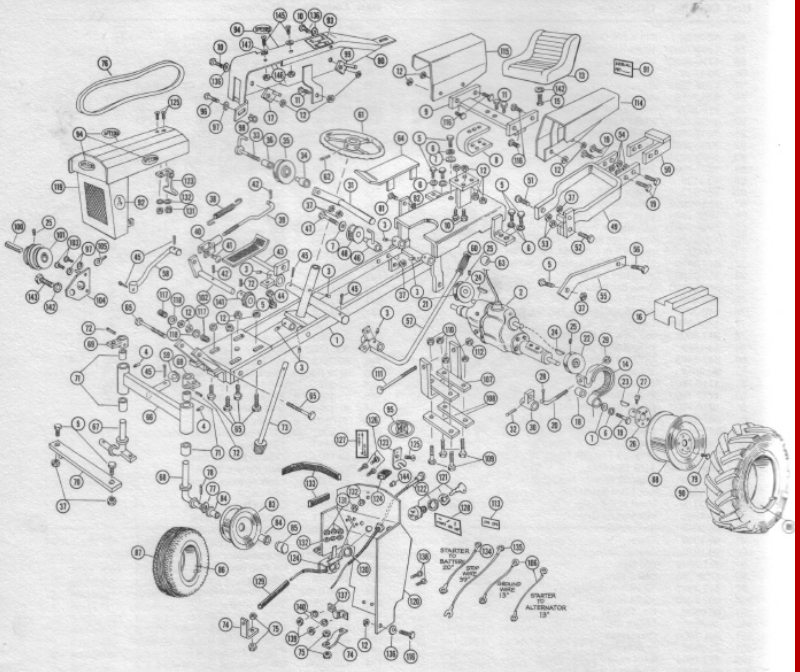
S-17 Tractor
Service Parts Breakdown



Item	Code No.	Description
1.	1721-7001	Rail Frame Weld't
2.	862-0399	Grease Fitting (No Spring)
3.	862-0501	Grease Fitting
4.	40-1117	Bushing
5.	1709-0705	Differential Housing
6.	847-2610	¼-20 x 2½ Hx.Hd. Cp. Screw
7.	919-2600	¼-20 Hex Locknut
8.	847-2802	5/16-18 x ½ Hx.Hd.Cp. Screw
9.	68-0424	1/4 x 1/4 x 1 1/2 Sq. Key
10.	52-0412	3/16 x 1¼ Cotter Pin
11.	68-0322	3/16 x 3/16 x 1-3/8 sq. key
12.	40-9081	Bearing
13.	1711-7001	Input Pinion Weld't
14.	40-2514	Flinger
15.	40-7361	Closure
16.	68-0314	3/16 x 3/16 x 7/8 Sq. Key
17.	80-0230	3/8 Plain Washer
18.	80-0532	7/16 Medium Lockwasher
19.	847-3303	7/16-20 x 3/4 Hx.Hd.Cp. Screw
20.	1709-7001	Axle and Gear Weld't
21.	1709-7002	Hub and Gear Weld't
22.	1709-7003	Gear, Hub and Pinion Weld't
23.	862-1803	Grease Fitting
24.	1709-7004	Hub Retainer Weld't
25.	849-3003	3/8-16 x 3/4 Lg.Sq.Hd. Set Screw
26.	1709-7006	Cover Plate Weld't
27.	40-1604	Bushing
28.	1709-7005	RH Hub Spacer Weld't
29.	1709-7009	RH Wheel Hub Weld't
30.	1709-7008	LH Hub Weld't
31.	1711-7002	Sprocket and hub Weld't
32.	1710-3501	Brake Drum
33.	847-2803	5/16-18 x 3/4 Lg. Hx. Hd. Cp. Screw
34.	919-2800	5/16-18 Hex Locknut
35.	1711-7501	Chain Guard Weld't
36.	56-4036	Drive Chain
37.	1711-2001	Hand Brake Keeper
38.	847-2806	5/16-18 x 1½ Hx. Hd. Cp. Screw
39.	1710-2009	Keeper
40.	846-3005	3/8-16 x 1¼ Hx.Hd.Cp. Screw
41.	80-0530	3/8 Medium Lockwasher
42.	340-3152	Seat Spring
43.	847-2805	5/16-18 x 1¼ Hx.Hd.Cp. Screw
44.	1708-8003	Transmission Unit
45.	341-3424	Engine Return Spring
46.	80-1247	Spring Washer
47.	1706-7001	Clutch Pedal Weld't
48.	52-0208	1/8 x 1 Cotter Pin
49.	902-3000	3/8-16 Hex Nut
50.	1710-7004	Lever Weld't
51.	1710-7005	Mounting Bracket Weld't
52.	1710-7006	Adjusting Knuckle Weld't

Item	Code No.	Description
53.	52-0206	1/8 x 3/4 Cotter Pin
54.	1710-7003	Brake Band Weld't
55.	1710-0602	Brake Lining
56.	50-1408	Rivet
57.	1708-2001	Keeper
58.	846-3012	3/8-16 x 3 Hx. Hd. Cp. Screw
59.	919-3000	3/8-16 Hex Locknut
60.	1903-7001	Front Axle Weld't
61.	1903-7002	RH Front Spindle Weld't
62.	1903-7003	LH Front Spindle Weld't
63.	1903-7007	Steering Tab Weld't
64.	1903-7005	Tie Rod Weld't
65.	40-1139	Bushing
66.	53-0613	5/16 x 1 5/8 Spirol Pin
67.	1906-7002	Adjusting Knuckle Weld't
68.	1902-7004	Drag Link Weld't
69.	1904-7001	Lift Handle Weld't
70.	1704-7001	Tool Rack Weld't
71.	847-3407	⅜-13 x 1 3/4 Hx. Hd. Cp. Screw
72.	847-3410	⅜-13 x 2 1/2 Hx. Hd. Cp. Screw
73.	919-3400	⅜-13 Hex Locknut
74.	2404-7003	Draw Bar Weld't
75.	904-3000	3/8-16 Heavy Hx. Nut
76.	846-3007	3/8-16 x 1 3/4 Hx. Hd. Cp. Screw
77.	1704-2501	Lift Bar
78.	847-3006	3/8-16 x 1½ Hx. Hd. Cp. Screw
79.	43-1469	Deluxe Seat Low Back
80.	847-3405	⅜-13 x 1¼ Hx. Hd. Bolt
81.	80-0534	⅜ Lock washer
82.	1710-1501	Brake Rod
83.	1712-7501	Frame Cover
84.	1710-7002	Lower Brake Weld't
85.	847-2804	5/16-18 x 1" Lg. Hx. Hd. Cp. Screw
86.	1710-7001	Brake Shoe Weld't
87.	1710-0603	Brake Lining
88.	50-1316	3/16 x 1 Flat Hd. Rivet
89.	866-7100	¼-18 Pipe Plug
90.	44-2354	Steering Wheel
91.	53-0514	¼ x 1 3/4 Spirol Pin
92.	44-0378	Hand Brake Grip
93.	44-1556	Lift Handle Grip
94.	44-0035	Shift Knob
95.	48-1005	Fibres
96.	80-1029	Spacer
97.	392-3640	64" Belt
98.	1739-7501	Belt Guard
99.	811-2012	10-24 x ½ Screws
100.	902-2000	10-24 Hex Nut
101.	80-0520	No. 10 L/W
102.	36-3501	Choke Clip
103.	901-3000	Casing Nut
104.	33-9566	Stop Switch
105.	372-1604	4-5-4 Pulley W/Set Screw
106.	876-2801	5/16-18 x ¼ Set Screw
107.	68-0432	1/4 x 1/4 x 2 Sq. Key
108.	1906-7003	Front Motor Mount
109.	1906-7004	Rear Motor Mount
110.	2406-1501	Clutch Rod
111.	847-2807	5/16-18 x 1 3/4 Hx. Hd. Cp. Screw
112.	80-1144	.016 x 1.30 OD x 1.030 ID Washer
	80-1145	.025 x 1.30 OD x 1.030 ID Washer
113.	52-0212	1/8 x 1½ Ext. Prong Cotter Pin
114.	857-3305	½-20 Lug Bolt
115.	41-4008	8" Rim W/Grease Fitting
116.	40-5416	1" Bushing
117.	41-0101	Hub Cap
118.	41-1408	4" x 8" Tube
119.	41-2488	4.80 x 4" x 8" Standard Tube
120.	41-4516	16" Rim W/5 Bolt Holes
121.	41-1616	6 x 16" Tube
122.	41-2616	6 x 16" Standard Tire
123.	32-9256	6" Wire Battery Ground
124.	1913-7001	Battery Box
125.	1913-2001	Keeper
126.	847-2609	¼-20 x 2¼ Hx. Hd. Cp. Screw
127.	895-2836	5/16-18 x 8½ Button Head Rivet Screw
128.	902-2800	5/16-18 Hx. Nut
129.	32-1416	Terminal 5/16 Hole
130.	1939-7504	LH Fender
131.	1939-7503	RH Fender
132.	341-1306	Spring
133.	80-0226	¼ Flat Washer
134.	1939-7501	Hood
135.	1939-7502	Dash
136.	2459-3504	Clamp
137.	811-2001	10-24 x 1 Screw
138.	33-9451	Key Switch
139.	36-6029	29" Choke Cable
140.	37-7110	Hood Latch and Latch Catch
141.	36-8036	36" Throttle
142.	811-1512	6-32 x ½ Screw
143.	811-1534	6-32 x 3/4 Screws
144.	42-1012	Slow Fast Decal
145.	42-1013	Start-On-Off Decal
146.	3219-0602	8½" Wire Loom
147.	38-0557	Steer Post Bushing
148.	902-1500	No. 6-32 Hex Nut
149.	80-0515	No. 6 Lockwasher
150.	3219-0601	Wire Enforced Moulding
151.	32-9261	No. 8 Wire Start to Battery Cable 20"
152.	32-9264	34" No. 16 Stop Wire
153.	80-0228	5/16 Plain Washer
154.	35-0101	Battery Cover
155.	32-9257	13" Cable Starter to Alternator
156.	42-1017	S-17 Decal
157.	42-1301	Timken Bearing Decal
158.	42-1102	Shift Pattern Decal
159.	42-1003	Large Speedex Decal
160.	42-1010	MIC Decal
161.	42-1011	On-Off Decal (Recoil)
162.	42-0017	Serial Number Decal
163.	1902-7002	Output Shaft Weld't
164.	1902-7003	Steering Post Weld't
165.	1902-0701	Output Gear
166.	42-1015	Oil Plug Decal
167.	44-0375	3/8 Plug
168.	1708-0702	Transmission Housing
169.	1708-2501	Shifter Stop
170.	80-0232	7/16" Plain Washer
171.	80-0528	5/16" Medium Lockwasher
172.	847-2603	¼-20 x 3/4 Lg. Hx. Hd. Cp. Screw
173.	372-1206	5"-6" x 3/4 Bore V Pulley
174.	920-3900	5/8-18 Slotted Hex JamNut
175.	1708-7001	Shifter Arm Weld't
176.	40-1949	Bearing
177.	40-5625	Flinger
178.	40-5624	Closure
179.	355-1214	Input Pinion
180.	68-0320	3/16 x 3/16 x 1¼ LG Sq. Key
181.	1708-1001	Shift Selector Rod
182.	341-1509	Shifter Spring
183.	1708-7003	Side Plate Weld't
184.	1708-7004	Idler Gear Weld't
185.	1708-7005	Output Gear Weld't
186.	68-0312	3/16 x 3/16 x 3/4 LG Sq. Key
187.	365-1211	11 T x 3/4 Bore Output Sprocket
188.	846-3103	3/8-24 x 3/4 LG hx. Hd. Cp. Screw
189.	1901-7004	Fender Bracket

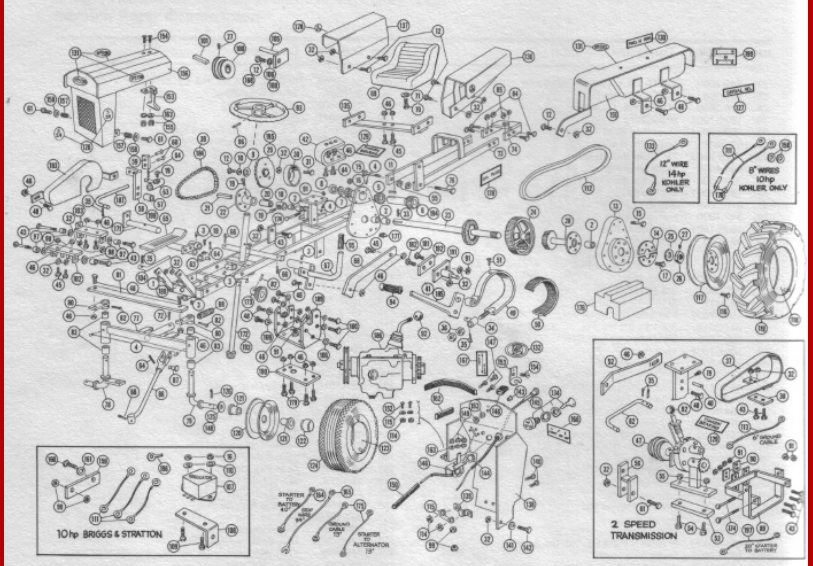
S-19 Tractor
Service Parts Breakdown



Item	Code No.	Description
1.	1921-7001	Rail Frame Stationary Engine
2.	1907-0003	Transaxle Assembly
3.	862-0399	Grease Fitting
4.	862-0501	Grease Fitting
5.	846-3005	3/8-16 x 1¼ Hx.Hd. CP Screw
6.	80-0530	3/8 Lockwasher
7.	80-0230	3/8 Plain Washer
8.	340-3152	Seat Spring
9.	1901-7004	Fender BR Kt
10.	847-2803	5/16-18 x 3/4 Hx.Hd. CP Screw
11.	847-2805	5/16-18 x 1¼ Hx. Hd. CP Screw
12.	919-2800	5/16-18 Hx. L/Nut
13.	43-1469	Deluxe Seat
14.	1910-8002	Brake Band
15.	847-3405	⅛-13 x 1¼ Hx.Hd. Cp. Screw
16.	35-0101	Battery Cover
17.	437-7008	Mower Belt Retainer
18.	1910-4002	Bushing
19.	846-3007	3/8-16 x 1¾ Hx.Hd. Cp Screw
20.	1910-1502	Linkage
21.	372-1260	"B" Section Pulley 6" x ⅝ bore
22.	1910-3501	Brake Drum
23.	68-0018	Woodruff Key - 809
24.	68-0009	Woodruff Key - 606
25.	876-2801	5/16-18 x ¼ LG Soc set Screw
26.	1907-7001	Weld Wheel Hub

Item	Code No.	Description
27.	849-3003	3/8-16 x ¾ LG Sq. Hd. set Screw
28.	52-0108	3/32 x 1 Cotter Pin
29.	919-2900	5/16-24 Hx. Lock Nut
30.	1926-7005	Brake Tang
31.	1926-7004	Pivot Rod Weld'T
32.	53-0508	Spirol Pin ¼ x 1
33.	1926-7003	"V" Idler Belt Retainer
34.	444-4008	Spacer Bushing
35.	382-1036	3-¾ x 5/8 Bore "V" Pulley
36.	1926-4001	3/8 Spacer
37.	919-3000	3/8-16 Locknut
38.	344-1040	Spring
39.	1926-1501	Connecting Rod
40.	62-3000	3/8-16 Yoke
41.	51-0605	3/8 x 1-3/32 Clevis Pin
42.	52-0106	3/32 x 3/4 Cotter Pin
43.	1926-7001	Clutch Pedal
44.	902-3000	3/8-16 Hx. Nut
45.	52-0412	3/16 x 1½ Cotter Pin
46.	1926-7002	Flat Idler Belt Retainer
47.	847-3014	3/8-16 x 3½ Hx. Hd. Cp. Screw
48.	380-1032	3¼ x 5/8 Bore Flat Idler
49.	1904-7002	Tool Rack
50.	2404-7003	Draw Bar Weld't
51.	847-3407	½-13 x 1-3/4 Hx.Hd.Cp. Screw
52.	847-3410	½-13 x 2½ Hx. Hd. Cp. Screw
53.	919-3400	½-13 Hx. Locknut
54.	904-3000	3/8-16 Hvy. Hx. nut
55.	1904-2502	Lift Bar
56.	847-3006	3/8-16 x 1½ Hx. Hd. Cp. Screw
57.	1904-7001	Lift Handle
58.	1902-7004	Drag Link
59.	80-1247	Spring Washer
60.	44-1556	Hand Grip
61.	44-2354	Steering Wheel
62.	53-0514	¼ x 1-3/4 Spirol Pin
63.	44-0095	Shifter Knob
64.	1912-7501	Frame Cover
65.	847-2807	5/16-18 x 1-3/4 Hx. Hd. Cp. Screw
66.	1903-7001	Front Axle - weld
67.	1903-7002	Front Spindle - R.H. Weld
68.	1903-7003	Front Spindle - L.H. Weld
69.	1903-7007	Steering Tab - weld
70.	1903-7005	Tie Rod Weld
71.	40-1139	Bushing C1139
72.	53-0613	5/16 x 1-5/8 Spirol Pin
73.	1902-7003	Steering Post Weld
74.	36-3501	Choke Clip
75.	901-3000	Casing Nut
76.	392-3830	"B" section 83" belt
77.	80-1144	.016 x 1.30 OD x 1.030 ID washer
	80-1145	.025 x 1.30 OD x 1.030 ID washer
78.	52-0212	1/8 x 1½ Cotter Pin
79.	857-3305	7/16-20 x 1¼ Lug Bolt
80.	1926-7501	Belt Guard
81.	847-2603	¼-20 x 3/4 Hx. Hd. Cp. Screw
82.	919-2600	¼-20 Hx. Locknut
83.	41-4008	8" Rim W/Grease fitting
84.	40-5416	1" Bushing 254-D16
85.	41-0101	Hub Cap
86.	41-1408	4" x 8" Tube
87.	41-2488	4.80 x 4" x 8" standard Tire
88.	41-4516	16" Rim w/5 bolt holes
89.	41-1616	6 x 16" tube
90.	41-2616	6 x 16" standard tire
91.	42-0019	Serial No. Decal
92.	42-1019	S-19 Decal
93.	42-1101	Shift Pattern Decal
94.	42-1003	Large Speedex Decal
95.	42-1010	MIC Decal
96.	847-2809	5/16-18 x 2¼ Hx. Hd. Cp. Screw
97.	80-0528	5/16 Lockwasher
98.	432-3506	3/8 Split Spacer
99.	444-7011	Belt Retainer
100.	68-0432	¼ x ¼ x 2" Lg. Square Key
101.	372-1604	"B" Section Pulley 4-5-4 x 1" Bore
102.	1902-7002	Output Shaft Weld
103.	846-2903	5/16-24 x 3/4 Hx. Hd. Cp. Screw
104.	1912-7502	Belt Retainer Weld
105.	32-1416	Terminal 5/16 Hole
106.	32-9257	Ground Cable 13" Wire
107.	1913-7001	Battery Box
108.	1913-2001	Keeper
109.	847-2609	¼-20 x 2¼ Hx. Hd. Cp. Screw
110.	902-2600	¼-20 Hx. Nut
111.	895-2836	5/16-18 x 8½ Bolt
112.	902-2800	5/16-18 Hex nut
113.	42-1011	On - Off Decal
114.	1939-7504	LH Fender
115.	1939-7503	RH Fender
116.	847-2804	5/16-18 x 1 Hx. Hd. Cp. Screw
117.	341-1306	Spring
118.	80-0226	Plain Washer (¼)
119.	1939-7501	Hood
120.	1939-7502	Dash
121.	33-9451	Key Switch
	33-9566	Key Stop Switch (Recoil)
122.	36-6029	Choke Cable 29"
123.	37-7110	Latch Catch
124.	36-8036	Throttle 36"
125.	811-1512	Screw 6-32 x ½
126.	811-1534	Screws 6-32 x 3/4
127.	42-1012	Slow-Fast Decal
128.	42-1013	Start-on-off Decal
129.	3219-0602	Wire Loom 8½"
130.	38-0557	Steering Post Bushing
131.	902-1500	6-32 Hx. Nut
132.	80-0515	6 Lockwasher
133.	3219-0601	Wire Enforced moulding
134.	32-9261	Start to Battery cable 20" No. 8 wire
135.	32-9264	Stop wire 34" No. 16 wire
136.	80-0228	5/16 Plain Washer
137.	2459-3504	Clamp
138.	811-2001	10-24 x 1 Screw
139.	902-2000	10-24 nuts
140.	80-0520	No. 10 L/W
141.	1902-0701	B-24 352-0724 output gear
142.	80-0534	⅛ Lockwasher
143.	846-3504	½-20 x 1 Hx. Hd. Cp. Screw
144.	44-0375	Plug 3/8
145.	811-2012	10-24 x ½ Screw
146.	902-2000	10-24 Hx. nut
147.	80-0520	No. 10 L/W

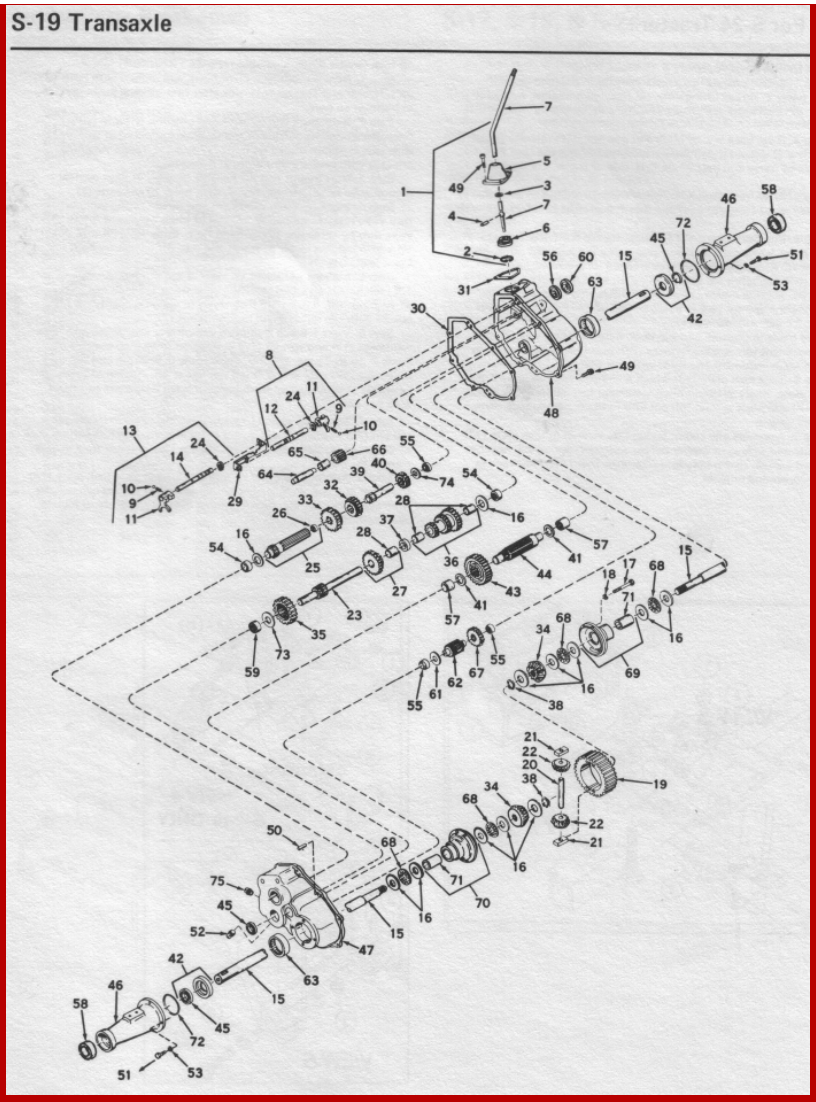
S-24 Tractor
Service Parts Breakdown



Item	Code No.	Description
1.	2441-7001	Rail Frame new sheet metal 2-speed
2.	40-1604	Bushing
3.	862-0399	Grease Fitting
4.	862-0501	Grease Fitting
5.	40-7048	Bearing cone
6.	2411-7001	Input Pinion 2-Speed
7.	40-5634	Flinger
8.	40-5633	Closure
9.	80-0238	5/8 plain washer
10.	80-0538	5/8 lockwasher
11.	68-0416	1/4 x 1" Sq. Key
12.	847-3904	5/8 - 18 x 1 hx.hd.cp. screw
13.	2409-0705	Differential housing cover
14.	2409-3003	Cover plate
15.	847-2613	1/4 - 20 x 3 1/4 hx.hd.cp. screw
16.	902-2600	1/4 - 20 hx. nuts
17.	847-2602	1/4 - 20 x 1/2 hx.hd.cp. screw
18.	2409-7004	Locking collar
19.	849-3003	3/8 - 16 x 3/4 sq.hd. set screw
20.	2409-4004	Hub Spacer
21.	68-0424	1/4 sq. x 1 1/2
22.	2409-7005	R.H. wheel hub
23.	2409-7001	Axle-gear weld't
24.	2409-7003	Gear, hub, pinion weld't
25.	80-0253	1 3/8" plain washer
26.	2409-1002	1 3/8 - 12 hx. jam nut
27.	876-2801	5/16 - 18 x 1/4 lg. soc. set screw
28.	2409-7002	Hub-gear weld't
29.	2411-7002	Sprocket-Hub Weld't 2-Speed
30.	1710-3501	Brake drum
31.	847-2803	5/16 - 18 x 3/4" lg. hx. hd. cp. screw
32.	919-2800	5/16 - 18 hex locknut
33.	52-0416	3/16 x 2 cotter pin
34.	1710-7006	Adjusting knuckle
35.	52-0206	1/8 x 3/4 cotter pin
36.	902-3000	3/8 - 16 hx. nuts
37.	2411-7501	Chain guard
38.	1711-2001	Chain guard keeper
39.	56-4036	Chain 2-Speed
40.	2410-1001	Pivot pin
41.	1710-7004	Hand Brake Lever 2-Speed
42.	340-3152	Seat Spring
43.	847-2806	5/16 - 18 x 1 1/2 hx.hd.cp. screw
44.	847-3004	3/8 - 16 x 1 hx.hd.cp. screw
45.	847-3006	3/8 - 16 x 1 1/2 hx.hd.cp. screw
46.	919-3000	3/8-16 hx. nuts
47.	2408-8003	Transmission
48.	846-3005	3/8 - 16 x 1 1/4 hx.hd.cp. screw
49.	1710-7003	Brake band weld't
50.	1710-0602	Brake lining
51.	50-1408	14-8 Rivet
52.	2408-2501	Brace
53.	2408-2001	Keeper
54.	846-3414	1/2 - 13 x 3 1/4 lg. hx. hd. cp. screw
55.	919-3400	1/2-13 hex locknut
56.	2410-7002	Lower brake weld't

Item	Code No.	Description
57.	1926-4001	3/8 spacer
58.	2410-7001	Brake Shoe Weld't 2-Speed
59.	2410-0603	Brake lining
60.	50-1316	3/16 x 1 flat hd. rivet
61.	846-2807	5/16 - 18 x 1 3/4 hx.hd.cp. screw
62.	2410-1501	Brake rod
63.	1906-7002	Adjusting knuckle
64.	52-0208	1/8 x 1 cotter pin
65.	2406-7001	Clutch pedal
66.	52-0412	3/16 x 1 1/2 cottern pin
67.	2404-7001	Lift handle
68.	2404-2502	Lift bar
69.	43-1469	Deluxe seat
70.	847-3405	1/2 - 13 x 1 1/4 hx.hd.cp. screw
71.	80-0534	1/2 Lockwasher
72.	52-0520	1/4 x 2 1/2 cotter pin
73.	2404-7002	Tool Rack
74.	2404-7003	Rear Hitch
75.	847-3407	1/2 - 13 x 1 3/4 hx.hd.cp. screw
76.	847-3410	1/2 - 13 x 2 1/2 hx.hd.cp. screw
77.	2403-7001	Front axle weld't
78.	2403-7002	RH front spindle weld't
79.	2403-7003	LH front spindle weld't
80.	1903-7007	Steering tab weld't
81.	2403-7004	Tie rod weld't
82.	53-0613	5/16 x 1 5/8 spirol pin
83.	40-1139	C1139 Bushing
84.	846-3007	3/8 - 16 x 1 3/4 hx.hd.cp. screw
85.	904-3000	3/8-16 hvy. hx. nut
86.	2402-7003	Drag link
87.	51-1005	Clevis pin
88.	341-3424	Engine return spring
89.	2413-7001	Battery box
90.	1711-2001	Keeper
91.	902-2800	5/16 - 18 hex nut
92.	44-0035	Shift knob
93.	44-2885	Steering wheel
94.	44-0378	Brake lever grip
95.	44-1556	Lift handle grip
96.	53-0514	1/4 x 1 3/4 spirol pin
97.	48-1005	Eccentric Fibres
98.	80-1029	Spacers
99.	901-3000	3/16 casing nut
100.	372-1605	4 - 5 x 1" bore "v" pulley
	372-1805	4" - 5" V pulley 1 1/8 bore (Kohler Engine)
101.	68-0432	1/4 x 1/4 x 2" lg. sq. key
102.	2406-7002	Front motor mount weld't
103.	2406-7003	Rear motor mount weld't
104.	2406-1501	Clutch Rod
105.	444-7011	Belt retainer
106.	80-0528	5/16 lockwasher
107.	35-9524	295-024 voltage regulator
108.	2413-2501	Regulator bracket
109.	847-2603	1/4-- 20 x 3/4" lg. hx.hd.cp. screws
110.	80-0526	1/4" medium lockwasher
111.	32-9254	8" No. 16 wire
112.	392-3640	64" Belt
113.	32-9256	6" No. 8 wire ground cable
114.	902-2000	No.10-24 Hex nut
115.	80-0520	No. 10 Lockwasher
116.	857-3305	1/2 - 20 lug bolt
117.	41-4516	16" rim w/5 bolt holes
118.	41-1816	8 x 16" tube
119.	41-2216	8 x 16" standard tire
120.	41-4008	8" rim w/grease fitting
121.	40-5416	1" Bushing
122.	41-0101	Hub Cap
123.	41-1408	4" x 8" tube
124.	41-2488	4.80 x 4" x 8" standard tire
125.	80-1144	1.30 OD x 1.03 ID x .016 thick wheel shim
126.	52-0212	1/8 x 1 1/2 cotter pin
127.	42-0024	Serial number
128.	42-1024	S-24 decal
129.	42-1301	Timken bearing decal
130.	42-1102	Shift pattern decal
131.	42-1003	Large Speedex decal
132.	42-1010	MIC Decal
133.		12" wire No. 16 (14 HP Kohler)
134.	33-9511	Cole-Herse key switch (no ground) Kohler 14 HP and 10 HP
	33-9510	Cole-Herse key switch (w/ground) 10 HP Briggs
	33-9451	Indak key switch (w/ground) 10 HP Briggs
135.	2459-7001	Fender bracket
136.	2439-7506	LH Fender
137.	2439-7507	RH Fender
138.	2459-7502	Dash weld't
139.	2459-3504	Clamp
140.	811-2001	No. 10-24 x 1 screw
141.	80-0228	5/16 plain washer
142.	847-2805	5/16 - 18 x 1 1/4 hx.hd.cp. screw
143.	44-0375	3/8 light plug switch
144.	38-0557	Steering post bushing
145.	36-6025	25" choke cable (Briggs)
	36-6036	36" choke cable (Kohler)
146.	36-8026	25" throttle cable (Briggs)
	36-8036	36" throttle cable (Kohler)
147.	811-1534	6-32 x 3/4 screw
148.	80-1145	1.30 OD x 1.03 ID x .025 thick wheel shim
149.	902-1500	No. 6-32 Hex nuts
150.	3219-0602	12" wire loom
151.	2459-7504	Belt guard
152.	811-2012	No. 10-24 x 1/2 screws
153.	37-7110	Hood latch
154.	811-1512	No. 6-32 x 1/2 screw
155.	902-1500	No. 6-32 Hex nut
156.	2459-7501	Hood Weld't
157.	341-1306	Spring
158.	80-0266	1/4 washers
159.	2413-2003	Choke bracket
160.	847-3203	7/16 - 14 x 3/4 hx.hd.cp. screw
161.	80-0532	7/16 lockwasher
162.	3219-0601	Wire enforced molding
163.	80-0515	No. 6 Lockwasher
164.	32-9258	40" cable No. 8 wire
165.	32-9264	34" stop wire No. 16 wire
166.	42-1013	Start-On-Off Decal
167.	42-1012	Slow Fast Decal
168.	846-3003	3/8 - 16 x 3/4 hx.hd.cp. screw (Kohler Engine)
169.	80-0530	3/8 Lockwasher (Kohler Engine)
170.		Wire splicers
171.	2402-7002	Output Shaft Weld't
172.	1902-7003	Steering post weld't 2-Speed
173.	1902-0701	Output gear
174.	895-2836	5/16-18 x 8 1/2 bolt
175.	32-9257	13" wire No. 8
176.	35-0101	Battery box cover
177.	866-7100	1/4 - 18 pipe plug
178.	42-1015	Oil plug decal
179.	847-3010	3/8 - 16 x 2 1/2 hx.hd.cp. screw
180.	850-2805	5/16 - 18 x 1 1/4 Flat hd.cp. screw slotted
181.	847-2809	5/16 - 18 x 2 1/4 hx.hd.cp. screw
182.	847-2808	5/16 - 18 x 2 hx.hd.cp. screw
183.	2479-7501	Chain guard 3-Speed
184.	56-4046	Chain 3-Speed
185.	2470-7001	Hand brake lever 3-Speed
186.	2407-0000	3-speed Borg-Warner transmission
187.	2470-1501	Brake rod 3-Speed
188.	2461-7001	Frame 3-speed
189.	2407-7001	Transmission mounting cradle 3-Speed
190.	2407-3003	Keeper plate 3-Speed
191.	2430-7001	Hand brake anchor 3-Speed
192.	2430-2005	Hand brake keeper 3-Speed
193.	2422-7001	Steer post weld't 3-speed
194.	2431-7001	Input pinion weld't 3-speed
195.	2431-7002	60 tooth sprocket and hub weld't 3-speed
196.	32-1416	Terminal 5/16 Hole
197.	32-9261	20" cable No. 8 wire
198.	2470-7002	Brake arm weld't 3-Speed
199.	42-1103	3-speed shift pattern

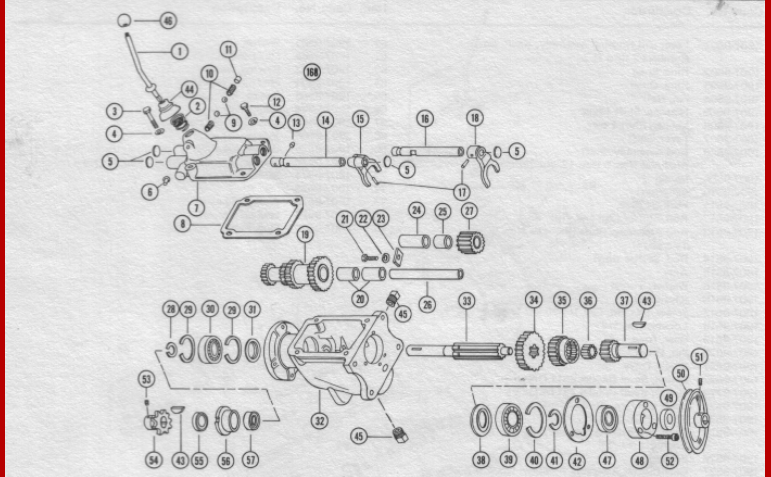
S-19 Transaxle



Service Parts Breakdown

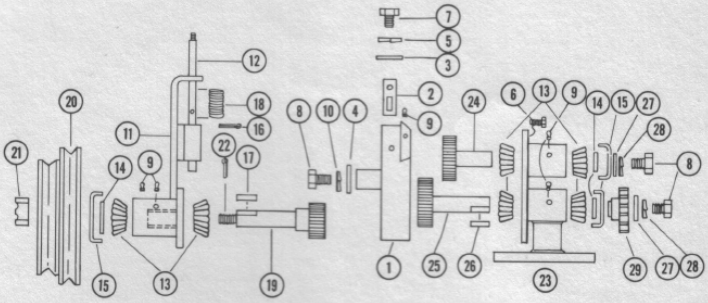
Item	Code No.	Description
1.	1907-9601	Lever and Housing Assembly, (Includes Numbers 2 thru 7)
2.	1907-9502	Ring, Snap
3.	1907-9503	Ring, Quad
4.	1907-9504	Pin, Roll
5.	1907-9605	Housing, Shift Lever
6.	1907-9606	Keeper, Shift Lever
7.	1907-9607	Lever, Shift
8.	1907-9508	Rod Assembly, Shift (Includes Nos. 9 thru 12 and 24)
9.	1907-9509	Spring
10.	1907-9510	Ball, Steel
11.	1907-9511	Fork, Shifter
12.	1907-9512	Rod, Shifter (3rd and 4th)
13.	1907-9513	Rod Assembly, Shift (Includes Nos. 9, 10, 11 and 14)
14.	1907-9514	Rod, Shifter (low)
15.	1907-9515	Axle
16.	1907-9516	Washer, Thrust
	1907-9616	(Optional)
17.	1907-9517	Screw, Hex Hd. Cap 1/4-20 x 2 1/2
18.	1907-9518	Lockwasher, 1/2"
19.	1907-9519	Gear, Ring
20.	1907-9520	Pin, Drive
21.	1907-9521	Block, Drive
22.	1907-9622	Pinion, Bevel (Model 2311 Only)
	1907-9722	Pinion, Bevel (Model 2311A Only)
23.	1907-9523	Shaft and Gear, Brake
24.	1907-9524	Ring, Snap
25.	1907-9525	Shaft and Bearing Assembly, Piston (Includes No. 26)
26.	1907-9526	Bearing
27.	1907-9527	Gear Cluster Assembly (Includes No. 28)
28.	1907-9528	Bushing
29.	1907-9529	Stop, Shifter
30.	1907-9530	Gasket, Case and Cover
31.	1907-9531	Gasket, Shift Lever Housing
32.	1907-9532	Gear, Shifting (3rd and 4th)
33.	1907-9533	Gear, Shifting (3rd and 4th)
34.	1907-9634	Gear, Bevel (Model 2311 Only)
	1907-9734	Gear, Bevel (Model 2311A Only)
35.	1907-9535	Gear, Idler
36.	1907-9536	Gear Cluster Assembly, Oil (Includes No. 45)
37.	1907-9537	Spacer
38.	1907-9538	Ring, Snap
39.	1907-9539	Shaft, Input
40.	1907-9540	Spur Gear, Input Shaft
41.	1907-9541	Washer, Thrust
42.	1907-9542	Seal and Retainer Assembly, Oil (Includes No. 45)
43.	1907-9543	Gear, Output
44.	1907-9544	Pinion, Output
45.	1907-9545	Seal, Oil
46.	1907-9546	Housing, Axle
47.	1907-9547	Cover Assembly, Transaxle (Includes Nos. 54, 55, 57, 59 and 63)
48.	1907-9548	Case Assembly, Transaxle (Includes Nos. 54, 55, 57 and 63)
49.	1907-9549	Screw, Socket Hd. Cap 1/4-20 x 3/4
50.	1907-9550	Pin, Dowel
51.	1907-9551	Screw, Hex Hd. 5/16-18 x 7/8
52.	1907-9552	Plug, Magnetic Drain
53.	1907-9553	Lockwasher, Split 5/16"
54.	1907-9554	Bearing, Needle
55.	1907-9555	Bearing, Needle
56.	1907-9556	Bearing, Ball
57.	1907-9557	Bearing, Needle
58.	1907-9558	Bearing, Ball
59.	1907-9559	Bearing, Needle
60.	1907-9560	Seal, Oil
61.	1907-9561	Washer
62.	1907-9562	Shaft and Pinion
63.	1907-9563	Bearing, Needle
64.	1907-9564	Shaft, Reverse Idler
65.	1907-9565	Spacer, Reverse Idler
66.	1907-9566	Idler, Reverse
67.	1907-9567	Spur Gear (22 teeth)
68.	1907-9568	Bearing, Thrust
69.	1907-9669	Carrier Assembly, Differential (Includes No. 71)
70.	1907-9670	Carrier Assembly, Differential (Includes No. 71)
71.	1907-9571	Bushing
72.	1907-9572	"O" Ring
73.	1907-9573	Washer, Thrust
74.	1907-9574	Washer, Thrust
75.	1907-9575	Plug, Pipe

S-24 3 Speed Transmission
Service Parts Breakdown



Item	Code No.	Description
*N.I.	1AT92-148A	Complete control assembly with AC92-2
*N.I.	2AT92-148A	Complete control assembly with AC92-2B
1.	2407-1501	Control lever assembly
	AC92-2A	Control lever assembly
	AC92-2B	Control lever assembly, straight
	AC92-2E	Control lever assembly
*N.I.	C2-2-1/2	Fulcrum ball
*N.I.	X1906	3/16 x 7/16 Round Pin (Used to retain Fulcrum ball)
2.	C92-17	Control lever support spring
3.	179822	5/16-18 x 1-1/2 hex head bolt
4.	108579	5/16 lockwasher (need 4)
5.	103891	5/8 expansion plug (need 4)
6.	4023C	Control housing pin
7.	T92-148A	Control housing
8.	T92-115	Control housing gasket
9.	147487	5/16 Steel ball (need 2)
10.	T86-42	Poppet spring (need 2)
11.	4605C	Poppet spring seat
12.	179816	5/16-18 x 3/4 hex head bolts (need 6)
13.	T92-86A	Interlock Plunger
14.	T92-21A	Shift rail, low and reverse
15.	T92-24	Shift fork, low and reverse
16.	T92-20A	Shift rail, high and intermediate
17.	455481	Shift fork pin (need 2)
18.	T92-23	Shift fork, high and intermediate
19.	AT92-8	Countershaft gears and bushing assembly
20.	Not Serviced	Countershaft gear bushings (need 2)
21.	179791	1/4-20 x 1/2 hex head bolt
22.	103319	1/4 lockwasher
23.	T92-48	Idler and countershaft lock plate
24.	T84-35	Reverse Idler shaft
25.	Not Serviced	Reverse Idler gear bushing
26.	T92-3	Countershaft
27.	AT92-10	Reverse idler gear and bushing assembly
28.	T92-72-1/2	Snap ring
29.	T92-7-1/2	Main shaft bearing snap ring
30.	B204ARS	Main drive gear bearing
31.	T92-137A	Oil Retaining washer, rear
32.	T92-18	Transmission case
33.	2407-1001	Main shaft
34.	T92-12	Main shaft low and reverse gear
35.	T92-11	Main shaft second speed gear
36.	T92-26B	Bearing roller (need 13)
37.	2407-1002	Main Drive gear
38.	T92-136	Oil retaining washer, front
39.	B205AG	Main drive gear bearing
40.	T92-6-1/2	Main drive gear bearing snap ring
41.	T92-17	Main drive gear snap ring
42.	T92-145	Main drive gear bearing retainer gasket
43.	68-0009	Woodruff key 606 (need 2)
44.	44-5940	Rubber boot
45.	438159	1/2 Pipe plug (need 2)
*N.I.	T92-751/2B	Speedometer gear spacer (for early models)
46.	44-0095	Shifter knob
47.	40-1640	Bearing
48.	2407-4003	Bearing retainer
49.	85-8796	Oil seal
50.	372-1470	7" pulley "B" section 7/8 Bore
51.	876-2805	5/16-18 x 5/16 soc. set screw
52.	875-2805	5/16 x 1 1/4 soc. hd. cp. screw (need 3)
53.	876-2601	1/4-20 x 1/4 soc. set screw
54.	365-4011	11 tooth sprocket 3/4 bore
55.	85-7628	Oil seal
56.	2407-4002	Bearing retainer
57	40-3124	Bearing

S-24 2 Speed Transmission
Service Parts Breakdown



Item	Code No.	Description
1.	2408-0701	Transmission housing
2.	1708-2501	Shifter stop
3.	80-0226	1/4 plain washer
4.	80-0232	7/16 plain washer
5.	80-0528	5/16 medium lockwasher
6.	847-2603	1/4-20 x 3/4 lg. hx.hd.cp. screw
7.	847-2803	5/16-18 x 3/4 lg. hx.hd.cp. screw
8.	847-3303	7/16-20 x 3/4 lg. hx.hd.cp. screw
9.	862-0501	No. 501 grease fitting
10.	80-0532	7/16 lockwasher
11.	2408-7001	Shifter arm weld't
12.	1708-1001	Shift selector rod
13.	40-9081	Bearing
14.	40-2514	Flinger
15.	40-7361	Closure
16.	52-0206	1/8 x 3/4" lg. cotter pin
17.	68-0320	3/16 x 3/16 x 1 1/4 lg. sq. key
18.	341-1509	Shifter spring
19.	355-1314	MK II Shaft and pinion
20.	372-1306	5" - 6" 13/16 bore pulley
21.	920-3900	5/8-18 slotted hex jam nut
22.	52-0208	1/8 x 1 cotter pin
23.	2408-7002	Side plate weld't
24.	2408-7003	Idler gear weld't
25.	2408-7004	Output gear weld't
26.	68-0312	3/16 x 3/16 x 3/4" lg. sq. key
27.	80-0230	3/8 plain washer
28.	80-0532	7/16 Medium lockwasher
29.	365-1311	11T x 13/16 Bore output sprocket

| T92 3 Speed | 2 Speed | 4 Speed |

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